

CLAIMS

1. Slide for vehicle seat, comprising first and second runners and locking means to prevent or
5 allow a relative longitudinal movement of the first and second runners, and in which:
 - the first runner comprises at least first and second notches, each notch being delimited longitudinally by a front edge and a rear edge,
 - 10 - the second runner comprises at least first and second cut-outs, each cut-out being delimited longitudinally by a front edge and a rear edge,
 - the locking means comprise a catch mounted on the second runner and having at least first and
15 second teeth, the catch being able to be moved in a direction perpendicular to the longitudinal direction between a locked position in which the first and second teeth pass through the first and second cut-outs respectively to engage in
20 the first and second notches to immobilize the first and second runners relative to one another, and an unlocked position in which the first and second teeth do not interact with the first and second notches of the first runner to
25 allow the relative movement of the first and second runners,wherein the front edge of at least one of the first cut-out and notch is inclined rearwards and the rear edge of at least one of the second cut-
30 out and notch is inclined forwards and wherein the catch is suitable for allowing, when it is in the locked position, firstly the first tooth to be solely in contact with the front edge of the first cut-out and with the rear edge of the first notch
35 and secondly, the second tooth to be solely in contact with the rear edge of the second cut-out and with the front edge of the second notch.

2. Slide according to Claim 1, wherein the front edge of the first cut-out is inclined rearwards and the rear edge of the second cut-out is inclined forwards, the said first and second cut-outs being
5 disposed asymmetrically relative to the longitudinal direction.
3. Slide according to Claim 2, wherein the first and second teeth are disposed asymmetrically relative
10 to the longitudinal direction.
4. Slide according to Claim 2, wherein the first and second teeth are disposed symmetrically relative to the longitudinal direction, and the first and
15 second notches are disposed asymmetrically relative to the longitudinal direction.
5. Slide according to claim 1, wherein each notch and each cut-out has a base from which the front and
20 rear edges extend, and each tooth has a width which, in the longitudinal direction, is less than the width of the coverage region of the bases of a notch and of the corresponding cut-out when the catch is in the locked position.
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6. Slide according to claim 1, wherein:
 - the catch comprises a first series of teeth comprising in particular the first tooth and a second series of teeth comprising in particular
30 the second tooth,
 - the second runner comprises a first series of cut-outs comprising in particular the first cut-out intended to interact with the first tooth and a second series of cut-outs comprising in particular the second cut-out intended to
35 interact with the second tooth, and
 - the first runner comprises a first row of notches comprising in particular the first notch

and a second row of notches comprising in particular the second notch.

- 5 7. Slide according to Claim 6, wherein only the first and second cut-outs of the first and second series of cut-outs are disposed asymmetrically relative to the longitudinal direction.
- 10 8. Slide according to Claim 6, wherein all the cut-outs of the first and second series of cut-outs are disposed asymmetrically relative to the longitudinal direction.
- 15 9. Slide according to Claim 1, wherein the front edge of the first notch is inclined rearwards and the rear edge of the second notch is inclined forwards, the said first and second notches being disposed asymmetrically relative to the longitudinal direction, and wherein the first and
20 second teeth are also disposed asymmetrically relative to the longitudinal direction.
- 25 10. Slide according to claim 1, wherein the second runner comprises guidance means for guiding the catch in the direction perpendicular to the longitudinal direction, and elastic return means for elastically returning the catch from the unlocked position to the locked position.
- 30 11. Slide according to Claim 10, wherein the catch is attached at a bottom end of a control rod mounted so as to slide and pivot in the said guidance means of the second runner.